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(54) METHODS FOR DETECTING SURGE IN CENTRIFUGAL COMPRESSORS

VERFAHREN ZUR ERFASSUNG DES PUMPENS IN ZENTRIFUGALVERDICHTERN

METHODES DE DETECTION D'A-COUPS DANS DES COMPRESSEURS CENTRIFUGES

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(73) Proprietor: **Daikin Applied Americas Inc.**
Minneapolis, MN 55441 (US)

(72) Inventor: **KNOPP, John, C.,**
c/o AAF-MCQUAY INC.
Minneapolis, MN 55441 (US)

(74) Representative: **Cabinet Plasseraud**
52, rue de la Victoire
75440 Paris Cedex 09 (FR)

(56) References cited:
US-A- 4 546 618 US-A- 4 686 834
US-A- 5 553 997 US-A- 5 845 509
US-A- 5 894 736 US-B1- 6 427 464

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